BRUHAT BENGALURU MAHANAGARA PALIKE

WORKSLIP - 1

FORM NO. P.W.G. 45

NAME OF THE WORK : Whitetopping of road from Shesadripuram First Grade College to Aroma Bakery Junction via 3rd A cross Road,1st A Main Road,16th B Cross Road

Name of Contractor: M/s NCC LTD Ltd, Bangalore

Name of PMC: Infra Support Engineering Consultants Pvt Ltd

BOQ-Item Code	Description of Item	Unit	As per Tender/approved			Executed	UPTO 125% of BOQ			Above 125% of BOQ			TOTAL AMOUNT	Amount excess of 100% within 125%	EXCESS	Remarks
			BOQ Quantity	RATE	Amount		QTY	RATE	AMOUNT	QTY	RATE	AMOUNT				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
8	Dry Lean Concrete (DLC) for Profile correction of existing bituminous road surface before carrying out White Topping Dry Lean Concrete (DLC) M-5 for Profile correction of existing bituminous road surface before carrying out White Topping Construction of dry lean cement concrete sub base layer over existing scarified	Cum	207.56	3800.00	788728.00	264.68	259.45	3800.00	985910.00	5.23	3800.00	19874.00	1005784.00	197182.00	217054.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
9	Providing and laying White Topping as per IRC:SP76-2008 over bituminous surface (Existing bituminous surface preparation to be done if necessary either by milling or levelling course with BM/DBM to correct surface profile and to be paid separately) with unreinforced M-40 grade pavement quality concrete (PQC)using polymeric synthetic fibre as per ASTM (1116) such as polyester I polyethylene I polypropylene at 1.20 kg/cum, mixed in batching and mixing plant or weigh batcher as per approved mix design to achieve minimum flexural strength or modulus of rupture of concrete 4.50 MPa at 28 days limiting maximum water cement ratio to 0.40, transported to site, laid with mechanical paver finisher, spread, vibrated, compacted and finished in a continuous operation to the lines and grades as per drawing, texture finishing of surface, spraying two layers of curing compound, curing with water sprayed on hessian cloth coverd over concrete surface, groove cutting to a depth of 1/3 of the slab depth and of width 3-5 mm including the cost of filling the joint with joint sealant as per IRC-15. as per design (grove cutting to be paid separately). For Thin white Topping and ultra thin white topping the groove cutting shall be 1.25mm x 1.25m grid including cost of all materal, side form work, labour and HOM of machineries etc. complete as per specifications.) -Do- with unreinforced M40 grade pavement quality concrete using Cum 5,813.00 43 grade OPC @ 420 kg/cum,	Cum	3065.21	6500.00	19923865.00	3119.58	3119.58	6500.00	20277260.90				20277260.90	353395.90	353395.90	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
10	Providing groove cutting for width of 4mm - 6mm and 1/3rd depth of PQC Whitetopping within 8-10 hrs of placing/finishing of PQC including cost of cutting machine, generators, HOM of machinery, blades, coolant etc., including cleaning of groove and providing sand and hot bituminous or equivalent approved sealant filling etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.	m	23700.00	75.00	1777500.00	31003.90	29625.00	75.00	2221875.00	1378.90	75.00	103417.50	2325292.50	444375.00	547792.50	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
12	Providing and fixing DOWEL bars of dia 25mm,500mm length for construction joint in pavement Quality Concrete (PQC) at every construction joints along the width of the road ,the 50% of the dowel bar should be embeded on boths dies of joints,the exposed bar should be covered with PVC sleeves.The bar should be paints with epoxy paint and primer including cost of conveyance of all materials,labour lead and lift charges and all other incidental charges as per he drawing ,specifications and direction of Engineer In charge etc., complete.	Nos	660.00	450.00	297000.00	797.00	797.00	450.00	358650.00		450.00		358650.00	61650.00	61650.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
19	KSRRB M800-43. Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 45º, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55-2001 complete as per specifications.	Each	131.67	2500.00	329175.00	249.00	164.59	2500.00	411468.75	84.41	2500.00	211031.25	622500.00	82293.75	293325.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
20	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Concrete Surface ◆ Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms and 2 Ltr of Primer per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm	730.93	450.00	328918.50	2361.68	913.66	450.00	411148.13	1448.02	450.00	651607.88	1062756.01	82229.63	733837.51	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
21	KSRRB M800 Road markers / Road stud KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS (Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 - DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer with 2 years warranty for the reflectivity from the original manufacturer is mandatory along with necessary test certification from the certified laboratory. Third party test certificates from a reputed test laboratory shall be submitted with Seal and Signature in Originals.	Nos	2370.00	350.00	829500.00	3147.00	2962.50	350.00	1036875.00	184.50	350.00	64575.00	1101450.00	207375.00	271950.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
22	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. 900 MM Equilaterial triangle -Type XI	No	20.00	5000.00	100000.00	100.00	25.00	5000.00	125000.00	75.00	5000.00	375000.00	500000.00	25000.00	400000.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
23	Retro-Reflectorised Traffic Signs Providing and fixing of retro - reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of high intensity grade sheeting vide Clause 801.3, fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing. 600 MM Circle -Type XI	No	10.00	4000.00	40000.00	77.00	12.50	4000.00	50000.00	64.50	4000.00	258000.00	308000.00	10000.00	268000.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
26	Providing and stone dust in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications and as per directions of engineer in charge	Cum	460.69	2000.00	921380.00	2649.61	575.86	2000.00	1151725.00	2073.75	2000.00	4147499.00	5299224.00	230345.00	4377844.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ

Item Code	Description of Item	Unit	As per Tender/approved			Executed	UPTO 125% of BOQ			Above 125% of BOQ			TOTAL AMOUNT	Amount excess of 100% within 125%	EXCESS	Remarks
			BOQ Quantity	RATE	Amount		QTY	RATE	AMOUNT	QTY	RATE	AMOUNT				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
27	KSRRB M/200-5.1 Providing and laying cement concrete of mix 1:2:4 with OPC @ 240kgs with 40mm and down size graded granite metal coarse aggregates @0.63cum and fine aggregates @ 0.42cum including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per MORTH Section 2200 & IS 456 a) upto 5mtr heigh~ (M-15) (PW,P& IWTD SR 2018-19 P-226, I-28 7 1)	Cum	761.26	5000.00	3806300.00	1985.38	951.58	5000.00	4757875.00	1033.81	5000.00	5169043.59	9926918.59	951575.00	6120618.59	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
32	Supplying PVC ringtite pipe confirming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour, with all lead & lift including encasing the pipe alround to a depth of not less than 15cms with soft gravel or selected earth avilable from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) 25 - 10 Kg/Cm2 (Class5)	Rmt	30.00	70.00	2100.00	46.50	37.50	70.00	2625.00	9.00	70.00	630.00	3255.00	525.00	1155.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
33	Supplying PVC ringtite pipe confirming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour, with all lead & lift including encasing the pipe alround to a depth of not less than 15cms with soft gravel or selected earth avilable from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) 32 - 10 Kg/Cm2 (Class5)	Rmt	30.00	80.00	2400.00	49.50	37.50	80.00	3000.00	12.00	80.00	960.00	3960.00	600.00	1560.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
34	Supplying PVC ringtite pipe confirming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour, with all lead & lift including encasing the pipe alround to a depth of not less than 15cms with soft gravel or selected earth avilable from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) 50 - 6 Kg/Cm2 (Class3)	Rmt	30.00	150.00	4500.00	70.50	37.50	150.00	5625.00	33.00	150.00	4950.00	10575.00	1125.00	6075.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
40	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. f) 12.5mm chips (Data Rate)	Cum	46.15	1900.00	87685.00	177.29	57.69	1900.00	109606.25	119.60	1900.00	227237.57	336843.82	21921.25	249158.82	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
46	Providing and fixing pre cast solid cement concrete kerb stones made out of C. C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1 :3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	Nos	8781.00	300.00	2634300.00	8999.00	8999.00	300.00	2699700.00				2699700.00	65400.00	65400.00	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
47	KSRB 14.6.1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS	Sqm	7690.50	900.00	6921450.00	9090.77	9090.77	900.00	8181689.31				8181689.31	1260239.31	1260239.31	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
49	KSRRB 800-1: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	1046.75	90.00	94207.50	1567.42	1308.44	90.00	117759.38	258.98	90.00	23308.25	141067.63	23551.88	46880.13	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
52	KSRRB M200-26: Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specifications. MORTH Specification No. 202	m	3950.00	25.00	98750.00	4044.90	4044.90	25.00	101122.50				101122.50	2372.50	2372.50	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
54	KSRRB M200-14.2: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. Dismantling brick / Tile work B. In cement mortar. MORTH Specification No. 202	Cum	400.00	350.00	140000.00	1186.57	500.00	350.00	175000.00	686.57	350.00	240300.74	415300.74	35000.00	275300.74	As the estimated Quantity was less compared to site condition ,Hence the Quantity exceeded the BOQ
					3,91,27,759.0				**4,31,83,915.2**			**1,14,97,434.8**	**5,46,81,350.0**	**40,56,156.2**	**1,55,53,591.0**	

Sanctioned Tendered Amount 12,40,79,646.10

Total Amount of Work Slip -2 1,55,53,591.00

Amount need to be approved in Work Slip-2 1,55,53,591.00

NCC Limited, Bengaluru

CONTRACTOR

PMC

Assistant Engineer
Projects
BBMP,Yelahanka Division

13/9/23

Assistant Executive Engineer
Projects
BBMP,Yelahanka Division

Executive Engineer
Projects
BBMP,Yelahanka Division

BRUHAT BENGALURU MAHANAGARA PALIKE

FORM OF EXTRA ITEM RATE LIST

FORM NO. P.W.G 71

NAME OF THE WORK : Whitetopping of road from Shesadripuram First Grade College to Aroma Bakery Junction via 3rd A cross Road,1st A Main Road,16th B Cross Road

NAME OF THE CONTRACTOR : M/s NCC LTD.

Name of PMC: Infra Support Engineering Consultants Pvt Ltd.

Sl. No/Item No.	Description of work	Unit	Quantity	Rate (Rs)	Amount (Rs)	Whether the items are alternative to the items in the tender or whether they are additional items (If items are in lieu of tender items such items should be mentioned)	Is the EIRL item included in the Estimate	How the extra cost of the item is proposed is to met	Whether the extra item is included in the schedule of rate of the division. If so reference to this item of the schedule to be given. If not data sheet should accommopany the rate list	Remarks
1	2	3	4	5	6	7	8	9	10	11
EI-1	KSR8 5-14: Providing and constructing load bearing wall withsolid concrete blocks having block density not less than 1800 kg/m3 having a minmum average compressive strength of 4 n/mm2 confirming to is 2185 (part 1) :2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials labour charges , scaffoding , curing hire charges of machineries etc., complete as per specification :KBS NO5.4. 5.26.1- do - with solid concrete blocks of size 400x200x200mm	Sqm	337.83	1029.91	347936.56	Extra Item/Additional Item	NO	Genaral Savings in the estimate		
EI-2	Supplying HDPE pipes confirming to IS 4984:1995 with latest amendments and conveying to work site including loading and unloading at both destination and rolling, lowering into trenches, laying true to line and joining of pipes and specials including encasing the pipe around to a depth of not less than 15cm with soft gravel or selected earth available from the excavation etc., complete, giving hydraulic test as per relevant ISS with all lead and lift including testing and commissioning, The rate is exclusive of required specials and fittings etc., complete (Contractor will make his own arrangement for procuring water for testing) 200mm dia for Power Complete including all lead and lifts and as per the directyions of engineer in charge. (HDPE Grade - PE100 confirming to IS 4984-1995) PN 6.0. Consider BWSSB SR 2014-15 P 48, Item 1.B.7	Rmt	8906.05	1026.33	9140546.30	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is in lieu of RCC Drain provided in the estimate /BOQ. This cost will be met out with the particular item savings in the estimate within the sancioned tender amount.
EI-3	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to IS:8130-1984 and (Virgin) PVC insulation sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 3C X 1.5Sq.mm	Mtr	144.00	69.69	10035.36	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-4	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Streetlight 90 Watts	No	24.00	7854.77	188514.48	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-5	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED SourceLED Streetlight 120 W	No	24.00	10097.98	242351.52	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.

SL No/Item No.	Description of work	Unit	Quantity	Rate (Rs)	Amount (Rs)	Whether the items are alternative to the Items in the tender or whether they are additional Items (If Items are in lieu of tender Items such Items should be mentioned)	Is the EIRL Item included in the Estimate	How the extra cost of the Item is proposed is to met	Whether the extra item is included in the schedule of rate of the division. If so reference to this item of the schedule to be given. If not data sheet should accommopany the rate list	Remarks
EI-6	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2 of PWD SR 2021-22)	Cum	9.00	8951.10	80559.90	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-7	Earth work excavation for cable trench of 0.3 to 0.5 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed In Ordinary Soil.	Cum	187.20	262.60	49158.72	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-8	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff LT Cable.2.5 to 25 Sqmm.	Km	0.65	16320.59	10608.38	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-9	Refilling the cable trenches with selected available earth from trench excavation including watering, consolidation in layers of 15 cm. Thickness including depositing of the surplus earth with a lead of 200 Mtr	Cum	151.20	58.58	8857.30	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-10	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each	48.00	190.89	9162.72	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-11	Fabricating, Supplying and errection of decorative Zig- Zag bent type Street light pole with hot dip Galvanized with BSEN 10025 grade S 355 JO Steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet for MCBs as per IS Specifications.suitable to with stand the wind speed. The total height of the pole 7 mtrs towards road and 5 Mtrs footpath between the pole V shaped MS/any decorativ laser cutting jolly work The pole should have 2 nos of pole esthetically bent either side. The dimensions of the pole bottom square pipr of 175x175x4mmx2 Mtrs length and above 2 mtrs a dia of 76.1x3.25mmx5Mtrs and 3 Mtrs, as suitable to the Drawing and picture. The base plate size of 350mm x 350mm x 16 mm the pole shall be galvanized with not less than 65 micron etc and finally finished with PU paint as required with two different colour. (With out foundation). As per the enclosed Drawing ,pictures and IS standards compleet set includes templat 4 nos M20 x750mm anchor bolts.	No	24.00	90647.50	2175540.00	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
EI-12	Suplying of1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975 25 Sqmm, 4 Core, (13 GI Strips - 4 x 0.8 mm)	Km	0.65	183266.52	119123.24	Extra Item/Additional Item	NO	Genaral Savings in the estimate		This essential item is not included in approved BOQ & is required for energising and mainting street lights , hence this EIRL is taken up.
	Total Amount				**1,23,82,394.47**					

Sanctioned Tendered Amount 12,40,79,646.10

Total Amount of EIRL - 2 1,23,82,394.47

NCC Limited R.O. Bengaluru 560001

CONTRACTOR

PMC

Assistant Engineer
Projects
BBMP,Yelahanka Division

Assistant Executive Engineer 13/9/23
Projects
BBMP,Yelahanka Division

Executive Engineer
Projects
BBMP,Yelahanka Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ